

Academic skills in Nanobiology courses

Part of the Nanobiology programme is to learn academic skills. The courses listed below offer these skills



Presenting



Programming



Practical



Writing

YEAR 1					
Introduction to Studying Nanobiology	NB1031	●			●
Journal Club 1	NB1052	●			●
Biomolecular Programming	NB1120		●		
Biophysics	NB1132		●		
Labcourse Nanobiology A1 / B1	NB1150 / NB1163			●	●
Labcourse Nanobiology A2 / B2	NB1151 / NB1164			●	●

YEAR 2					
Thermodynamics and Transport	NB2011		●		
Evolutionary and Developmental Biology	NB2032	●			
Microscopy / Nanoscopy Practice	NB2046	●		●	●
Nanotechnology	NB2081			●	●
Evolution	NB2111	●			●
Image Analysis	NB2121		●		
Journal Club 2	NB2151	●			
Bioinformatics	NB2161		●		●
Computational Science	NB2181		●		
Electronic Instrumentation	NB2211-14		●	●	●
Statistical Physics	NB2220		●		

YEAR 3					
Bachelor End Project	NB3000	●	●	●	●
Nanomedicine	NB3011	●		●	●
Protein Structure, Theory and Tools	NB3012		●		
Computational Neuroscience	NB3014		●		
A Primer in Neuroscience	NB3015	●			●
A primer on High-Speed Scientific Simulations	NB3016		●		
Genomics Technology in Breast Cancer Research	NB3020		●		

1st year

1 st PERIOD										2 nd PERIOD										3 rd PERIOD										4 th PERIOD										Summer																																									
Octal 1					Octal 2					Octal 3					Octal 4					Octal 5					Octal 6					Octal 7					Octal 8					July				Aug																																					
Sept					Oct					Nov					Dec					Jan					Feb					March					Apr					May					June																																				
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10																						
Genetics NB1022					4					Physics 1a NB1140										4					Physics 1b NB1143					Biophysics NB1132					Biomolecular Programming NB1120					3																																									
Introduction to studying Nanobiology NB1031					3					Chemistry 1 NB1102					3					Chemistry 2 NB1110					3					Christmas Holiday					Bio-chemistry NB1012					3					Spring Holiday					Labcourse Nanobiology A1 (NB1150) / B1 (NB1163)					3					Labcourse Nanobiology A2 (NB1151) / B2 (NB1164)					3					Summer Holiday				Resits				Summer Holiday			
Analysis 1 NB1200					5					Analysis 2 NB1205															Molecular Biology NB1016					3					Journal Club 1 NB1052					3																																									
																																			Analysis 3 NB1210					3					Linear Algebra NB1230					3																															

2nd year

1 st PERIOD										2 nd PERIOD										3 rd PERIOD										4 th PERIOD										Summer																						
Octal 1					Octal 2					Octal 3					Octal 4					Octal 5					Octal 6					Octal 7					Octal 8					July				Aug																		
Sept					Oct					Nov					Dec					Jan					Feb					March					Apr					May					June																	
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10			
Physical Biology of the Cell 2 NB2071					3					Signals and Systems TN2545															Statistics NB2171					Optics and Microscopy NB2041					Statistical Physics NB2220					3																						
Physics 2 NB2141					3										6					Spring Holiday					3					3					Image Analysis NB2121					3					Summer Holiday				Resits				Summer Holiday									
Thermodynamics and Transport NB2011					3					Philosophy and Ethics NB2022					3										Evolutionary and Developmental Biology NB2032					6					3					Journal Club 2 NB2151					1																	
Differential Equations NB2191					3																														Nanotechnology NB2081					2																						
Electronic Instrumentation NB2211-14					6																																			Bioinformatics NB2161					4,5																	
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Legend	Mathematics	Biology	Chemistry	Physics	Integrated Courses	Practica
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1 ST PERIOD										2 ND PERIOD										3 RD PERIOD										4 TH PERIOD										Summer							
Octal 1					Octal 2					Octal 3					Octal 4					Octal 5					Octal 6					Octal 7					Octal 8					July		Aug					
Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug												
Minor										Minor										Bachelor End Project NB3000										Bachelor End Project NB3000										Results		Summer Holiday					
30										30										20										20																	
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Elective courses

Find more information on these electives via the studyguide, using the course codes.

NB3011*	Nanomedicine
NB3012	Protein Structure, Theory and Tools
NB3014	Computational Neuroscience
NB3015	A Primer in Neuroscience
NB3016	A Primer on High-Speed Scientific Simulations
NB3017	Quantum Mechanics in Nanobiology 1
NB3018	Quantum Mechanics in Nanobiology 2
NB3019	Molecular Motors
NB3020	Genomics Technology in Breast Cancer Research
NB3021	Optics and its Application in Nanobiology
NB3022	Epigenetics

* NB3011 is offered in three octals, students can choose one octal to take the course

Honours Programme Bachelor Nanobiology

For students with excellent study progress and results in the first year (60 EC obtained out of 60) and with a GPA of 8.0 or higher (and no grades lower than 7.0) we offer a challenging Honours Programme. During Bachelor year 2 and 3 you obtain 20 EC by taking interdisciplinary courses and projects, following seminars, attend a Journal Club and set up your own (research) project. Eligible students will be invited for the programme at the end of year 1.

Minors

General information

For more information on minors, including the free minor option and an overview of thematic minors: <http://minor.tudelft.nl>

Required study progress:

60 EC year 1 + 30 EC year 2

Free minor abroad

Outgoing exchange students:

buitenland.tudelft.nl

Organisation: [International Office Applied Sciences](mailto:InternationalOffice@tudelft.nl)

✉ InternationalOffice-TNW@tudelft.nl

Bachelor End Project (BEP)

Information on projects and registration form on:

Brightspace > catalog > search for 'Thesis Office'

✉ ThesisOffice-TNW@tudelft.nl

Required study progress to start your BEP:

60 EC year 1 + 60 EC year 2 & 3

General information www.nb.bsc.tudelft.nl
✉ info-BSc-NB@tudelft.nl

Binding study recommendation bsa.tudelft.nl

Faculty student portal

TUD www.tudelft.nl/en/student/faculties/as-student-portal

Erasmus MC www.erasmusmc.nl/nl-nl/onderwijs/stip

Study association

S.V.N.B.Hooke

hooke.tudelft.nl

✉ Bestuur-Hooke@tudelft.nl

Brightspace

brightspace.tudelft.nl

✉ brightspace@tudelft.nl

Brightspace is TU Delft's digital learning and communication environment for students and TU staff.

Register for exams

examdesk.tudelft.nl

Written exams require registration! You have to register using Osiris which can be found through Brightspace. There are strict deadlines about when you must register for exams.

BSc Programme Directors

Claire Wyman

✉ C.Wyman@erasmusmc.nl

Claire Wyman has final responsibility for the BSc programme.

Joris Pothof

✉ J.pothof@erasmusmc.nl

Joris Pothof is co-director for the BSc programme.

Free software for students

software.tudelft.nl

Study guide

studyguide.tudelft.nl

For your courses, course details and programme details.

Programme coordinators

Johanna Colgrove

Diane Mevius

✉ info-bsc-nb@tudelft.nl

Johanna Colgrove & Diane Mevius supervise the daily routine of the programme. You can consult them if you have a problem with the organisation and logistics of the programme.

Timetables TUD

timetables.tudelft.nl

Timetables Erasmus MC

For room locations at ErasmusMC.

stip.erasmusmc.nl/Geneeskunde/700

Servicedesk

The servicedesk is the place for questions or complaints concerning the building, facilities, ICT, coffee machines, certified transcripts and issues regarding theft.

TUD

servicedesk.tudelft.nl

Erasmus MC

erasmusmc.nl/dco

Academic counsellor

Tanja Hilkhuijsen

✉ studieadviseur-NB@tudelft.nl

Tanja Hilkhuijsen will advise you on all kinds of study-related matters, including personal problems.

E-service

e-service.tudelft.nl

For questions regarding (reactivation of) NetID.

Career & Counselling Services

www.tudelft.nl/en/student/counselling/career-counselling-services

Student counselors and coaches. Workshops and trainings for students and career support

Programme assistant

Anne Huijsman-Kuijpers

✉ opleiding.nanobiologie@erasmusmc.nl

Anne Huijsman-Kuijpers is your first contact person for all questions regarding studying at the Erasmus MC.

Regulations degree programmes

tnw.tudelft.nl/regulations

The rules and regulations concerning education programmes and examinations. Each programme has individualized regulations.

Board of Examiners

✉ EC-NB@tudelft.nl
regulations.tudelft.nl

The Board of Examiners is responsible for the quality of the programme, ensuring that the rules are followed and adjudicating exceptions.

Board of Studies

Board of studies is responsible for advising the programme on content.

Student portal > organisation > bos applied sciences

Education and Student Administration

✉ SPA-TNW@tudelft.nl

www.tudelft.nl/en/student/administration

Good start

A quick way to get to know everything you need for a good start:

www.tudelft.nl/goodstart